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below) can help redistribute excess light and heat from the 'hot spot' to other areas below the reflector, thereby dramatically increasing uniformity, functionality and efficiency in these extreme applications. This heat shield is superior to the prior art because it relies only on direct reflection toward a target area below the lighting fixture. It does not reflect substantial quantities of radiation back towards the lamp and reflector for (inefficient) re-reflection. Hence, the function of the heat shield is totally separable from that of the reflector it is coupled with, not limiting it to use in conjunction with any specific reflector design.

10 Summary of the Invention

The present invention seeks to provide an adjustable reflecting device which substantially overcomes or at least ameliorates the disadvantages of the prior art.

According to a first aspect of the present invention there is disclosed a light fitting comprising a lamp receiving fixture having first and second opposite sides, and a reflector means, the reflector means being mounted to said first side of the lamp receiving fixture to produce a beam of light from said light fitting when said lamp receiving fixture contains an illuminated lamp, wherein said light fitting also includes a heat shield mounted to said second side of said lamp receiving fixture and in said beam of light, said heat shield having at least one surface facing said lamp receiving fixture and angled thereto to reflect light from said lamp, and also having a plurality of apertures therein through which some of the light emitted by said lamp can pass.

According to a second aspect of the present invention there is disclosed a method of shielding a beam generated from a light fitting comprising a lamp receiving fixture having first and second opposite sides and a reflector means, the reflector means being mounted to said first side of the lamp receiving fixture to produce said beam from said light fitting when said lamp receiving fixture contains an illuminated lamp, said method comprising the step of:-

mounting a heat shield to said second side of said lamp receiving fixture and in said beam of light, said heat shield having at least one surface facing said lamp receiving fixture and

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angled thereto to reflect light from said lamp, and also having a plurality of apertures therein through which some of the light emitted by said lamp can pass.

Brief Description of the Drawings

5 The present invention will become more fully understood from the following description of a preferred but non-limiting embodiment thereof, described in connection with the accompanying drawings, wherein:

FIG. 1 shows a preferred embodiment of the shielding device in accordance with the present invention;

10 FIG. 2 shows an alternatively preferred embodiment of the shielding device of the invention;

FIG. 3 shows an exploded view of one example of an adjustable reflector device used in conjunction with the shielding device of the present invention;

15 FIG. 4 shows a disassembled view of the reflector components of FIG. 3, depicting the protruding skirts, present on sheet members;

FIG. 5 shows an assembled view of the reflector components of FIG. 3 prior to flexing, depicting the alignment of the sheet members;

FIG. 6 illustrates the incident and reflected electromagnetic radiation when a double-parabolic reflector is used without a shielding device; and,

20 FIG. 7 illustrates a similar depiction to that of FIG. 6, but when a shielding device, in accordance with the present invention is used.

Detailed Description of the Preferred Embodiments(s)

25 Throughout the drawings, like numerals will be utilised to represent similar features, except where expressly otherwise indicated.

Also, throughout the specification, the term "a double parabolic" is utilised to describe the shape of a reflector device when it is in its flexed position, and retained against the bias of its normal resilience, as for example, as shown in FIG. 3 of the
30 drawings. In considering this definition, it should be appreciated that any size, shape or